

DERWENT- 2003-137255

ACC-NO:

DERWENT- 200313

WEEK:

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**TITLE:** Direct light type backlight for combined  
use with light guide panel

**INVENTOR:** CHO, G S; CHOI, E H ; KIM, H S

**PATENT-** KWANG WOON DISPLAY TECHNOLOGY CO  
**ASSIGNEE:** LTD [KWANN]

**PRIORITY-DATA:** 2001KR-0011486 (March 6, 2001)

**PATENT-FAMILY:**

| PUB-NO     | PUB-DATE   | LANGUAGE | PAGES | MAIN-IPC  |
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**APPLICATION-DATA:**

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**INT-CL (IPC):** G02F001/13357

ABSTRACTED-PUB-NO: KR2002071358A

**BASIC-ABSTRACT:**

NOVELTY - A direct light type backlight for combined use with a light guide panel is provided to maintain the uniformity of luminance while realizing the light weight backlight by using a diffusion plate, a light guide panel and a reflection plate.

DETAILED DESCRIPTION - A direct light type backlight for combined use with a light guide panel includes a reflection plate(11) having lamp supporting convex surfaces(111) disposed by a uniform interval, flat surfaces(112) horizontally formed at both ends of the lamp supporting convex surfaces with a predetermined length, slant surfaces(113) inclined from end portions of the flat surfaces, a light guide panel(12) disposed on the reflection plate and having lamp grooves at corresponding positions to the lamp supporting convex surfaces and slant surfaces in the complementing shape to the reflection plate, fluorescent lamps(10) disposed in the lamp grooves, and a diffusion plate(13) disposed on the light guide panel.

CHOSEN- Dwg.1/10

**DRAWING:**

**TITLE-TERMS:** DIRECT LIGHT TYPE COMBINATION LIGHT  
GUIDE PANEL

**DERWENT-CLASS:** P81 U14 W05

**EPI-CODES:** U14-K01A4C; W05-E05B;

